

SEQUENCE LISTING

<110> Schneider, Patrick A.
French, Cynthia K.
Yamamoto, Karen K.
Reprogen, Inc.

<120> Use of Prothymosin in the Diagnosis and Treatment of
Endometriosis

<130> 018002-001010US

<140> US 09/485,193

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<150> WO PCT/US99/12336

<151> 1999-06-03

<150> US 60/088, 016

<151> 1998-06-04

<160> 4

<170> PatentIn Ver. 2.0

<210> 1

<211> 1161

<212> DNA

<213> Homo sapiens

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<223> prothymosin clone REPRO-EN-203

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<221> CDS

<222> (166)..(498)

<223> prothymosin deduced amino acid sequence

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gcgcgcctcc tccgcgcgcg cggactccgg cagctttatc gccagagtcc ctgaactctc 120

gctttctttt taatcccctg catcgatca ccggcgtgcc ccacc atg tca gac gca 177

Met Ser Asp Ala

1

gcc gta gac acc agc tcc gaa atc acc acc aag gac tta aag gag aag 225

Ala Val Asp Thr Ser Ser Glu Ile Thr Thr Lys Asp Leu Lys Glu Lys

5

10

15

20

aag gaa gtt gtg gaa gag gca gaa aat gga aga gac gcc cct gct aac 273

Lys Glu Val Val Glu Glu Ala Glu Asn Gly Arg Asp Ala Pro Ala Asn

25

30

35

ggg aat gct aat gag gaa aat ggg gag cag gag gct gac aat gag gta 321

Gly Asn Ala Asn Glu Glu Asn Gly Glu Gln Glu Ala Asp Asn Glu Val

40

45

50

00485193.122700

gac gaa gaa gag gaa gaa ggt ggg gag gaa gag gag gag gaa gaa gaa 369
 Asp Glu Glu Glu Glu Glu Gly Gly Glu Glu Glu Glu Glu Glu Glu Glu
 55 60 65

ggt gat ggt gag gaa gag gat gga gat gaa gat gag gaa gct gag tca 417
 Gly Asp Gly Glu Glu Glu Asp Gly Asp Glu Asp Glu Glu Ala Glu Ser
 70 75 80

gct acg ggc aag cgg gca gct gaa gat gat gag gat gac gat gtc gat 465
 Ala Thr Gly Lys Arg Ala Ala Glu Asp Asp Glu Asp Asp Asp Val Asp
 85 90 95 100

acc aag aag cag aag acc gac gag gat gac tagacagcaa aaaaggaaaa 515
 Thr Lys Lys Gln Lys Thr Asp Glu Asp Asp
 105 110

gttaaactaa aaaaaaaaag gccgccgtga cctattcacc ctccacttcc cgtctcagaa 575
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 aaaaaagaac caaaacttcc aaggccctgc tttttttctt aaaagtactt taaaaaggaa 755
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 aaaaggtttc ttttttttcc cttttttgtc tatgaagttg ctgtttatatt tttttggcct 1115
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 <212> PRT
 <213> Homo sapiens

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 Met Ser Asp Ala Ala Val Asp Thr Ser Ser Glu Ile Thr Thr Lys Asp
 1 5 10 15
 Leu Lys Glu Lys Lys Glu Val Val Glu Glu Ala Glu Asn Gly Arg Asp
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 Ala Pro Ala Asn Gly Asn Ala Asn Glu Glu Asn Gly Glu Gln Glu Ala
 35 40 45
 Asp Asn Glu Val Asp Glu Glu Glu Glu Glu Gly Gly Glu Glu Glu Glu
 50 55 60
 Glu Glu Glu Glu Gly Asp Gly Glu Glu Glu Asp Gly Asp Glu Asp Glu
 65 70 75 80
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Asp Asp Val Asp Thr Lys Lys Gln Lys Thr Asp Glu Asp Asp
 100 105 110

<210> 3
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:5' primer

<400> 3
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<210> 4
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 <212> DNA
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20

00/22F" E6T5B460